

Applicant's Copy

APPLICANT FACSIMILE OF FORM PTO-1448 REV 7-80		U S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY POCKET NO CPI-012CP4DV	SERIAL NO 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	FILING DATE February 26, 1999	GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DJ	A1	4,418,149	11/83	Piashnia et al.	435	253	
DJ	A2	4,833,080	05/89	Brent et al.	435	172.3	
DJ	A3	4,948,874	08/90	Kronvall et al.	530	350	
DJ	A4	5,284,746	02/94	Sledziewski et al.	435	6	
DJ	A5	5,401,629	03/95	Harpold et al.	435	6	
DJ	A6	5,436,128	07/95	Harpold et al.	435	6	
DJ	A7	5,482,835	01/96	King et al.	435	6	
DJ	A8	5,573,944	11/96	Kirschner et al.	435	252.3	
DJ	A9	5,691,188	11/97	Pausch et al.	435	254.2	
DJ	A10	5,739,029	04/98	King et al.	435	254.21	
DJ	A11	5,789,184	08/98	Fowlkes et al.	435	7.31	
DJ	A12	6,100,042	08/00	Fowlkes et al.	435	7.1	

FOREIGN PATENT DOCUMENTS

Examiner <i>David Lamberton</i>	Date Considered 11/15/03
EXAMINER: Initial if reference considered. Whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

APPLICANT FACSIMILE OF FORM PTO-1448 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO CPI-012CP4DV	SERIAL NO. 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	
		FILED DATE February 26, 1999	GROUP 1636

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	B1	Akada, R. et al. "Genetic Relationships Between the G Protein $\beta\gamma$ Complex, Ste5p, Ste20p and Cdc42p. Investigation of Effector Roles in the Yeast Pheromone Response Pathway." <i>Genetics</i> 143:103-117 (1996).
DJ	B2	Alison, Malcolm R. et al. "Growth factors and growth factor receptors," <i>Brit. J. of Hosp. Med.</i> 49(11):774-88 (1993).
DJ	B3	Altieri, Dario C. "Proteases and protease receptors in modulation of leukocyte effector functions," <i>J. of Leukocyte Biol.</i> 58:120-27 (1995).
DJ	B4	Artemyev, Nikolai O. et al. "Sites of Interaction between Rod G-Protein α -Subunit and cGMP-phosphodiesterase γ -Subunit," <i>J. Biol. Chem.</i> 267(35):25067-72 (1992).
DJ	B5	Belka, C. et al. "The role of tyrosine kinases and their substrates in signal transmission of hematopoietic growth factors: a short review," <i>Leukemia</i> 9:754-61 (1995).
DJ	B6	Bender, Alan and Sprague, George F. Jr. "Pheromones and Pheromone Receptors Are the Primary Determinants of Mating Specificity in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 121:463-76 (1989).
DJ	B7	Birnbaumer, Lutz "Transduction of receptor signal into modulation of effector activity by G proteins: the first 20 years or so . . ." <i>FASEB Journal</i> 4:3178-88 (1990).
DJ	B8	Blinder, Dmitry et al. "Constitutive Mutants in the Yeast Pheromone Response: Ordered function of the Gene Products," <i>Cell</i> 56:479-486 (1989).
DJ	B9	Bray, P. et al., "Human cDNA clones for four species of G_{α} , signal transduction protein," <i>PNAS USA</i> , 83(23):8893-7 (1986).
DJ	B10	Bray, P. et al., "Human cDNA clones for an α subunit of G, signal-transduction protein," <i>PNAS USA</i> , 84(15):5115-19 (1987).
DJ	B11	Brill, Julie A. et al. "A Role for Autophosphorylation Revealed by Activated Alleles of <i>FUS3</i> , the Yeast MAP Kinase Homolog," <i>Molecular Biology of the Cell</i> 5:297-312 (1994).
DJ	B12	Brugarolas, James et al. "Radiation-induced cell cycle arrest compromised by p21 deficiency," <i>Nature</i> 377:522-57 (1995).
DJ	B13	Burack, W. Richard et al. "The Activating Dual Phosphorylation of MAPK by MEK Is Nonprocessive," <i>Biochemistry</i> 36(20):5929-5933 (1997).
DJ	B14	Cavallini, Bruno et al. "A yeast activity can substitute for the HeLa Cell TATA box factor," <i>Nature</i> 334:77-80 (1988).
DJ	B15	Chambers, D. A. et al. "Neuroimmune Modulation: Signal Transduction and Catecholamines," <i>Neurochem. Int.</i> 22(2):95-110 (1993).
DJ	B16	Chan, Russell K. and Otte, Carol A. "Isolation and Genetic Analysis of <i>Saccharomyces cerevisiae</i> Mutants Supersensitive to G1 Arrest by a Factor and α Factor Pheromones," <i>Molecular and Cellular Biol.</i> 2(1):11-20 (1982).
DJ	B17	Cheng, Fred and Herskowitz, Ira "Identification of a Gene Necessary for Cell Cycle Arrest by a Negative Growth Factor of Yeast. FAR1 is an Inhibitor of a G1 Cyclin, CLN2," <i>Cell</i> 63:993-1011 (1990).
DJ	B18	Clark, Karen L. et al. "Interactions among the Subunits of the G protein Involved in <i>Saccharomyces cerevisiae</i> Mating," <i>Molecular and Cellular Biol.</i> 13(1):1-8 (1993).
DJ	B19	Cole, Gary M. et al. "Stoichiometry of G Protein Subunits Affects the <i>Saccharomyces cerevisiae</i> Mating Pheromone Signal Transduction Pathway," <i>Molecular and Cellular Biology</i> 10(2):510-517 (1990).

Examiner

David Lamberton

Date Considered

1/15/04

EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APPLICANT FACSIMILE OF FORM PTO-1440 REV 7-90		U S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO CPI-012CP4DV	SERIAL NO. 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT	FILING DATE February 26, 1999	
		GROUP 1636		

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	C1	Colerman, David E. et al. "Structures of Active Conformation of G _{αi1} and the Mechanism of GTP Hydrolysis," <i>Science</i> 265:1405-12 (1994).
DJ	C2	Conklin, Bruce R. et al. "Substitution of three amino acids switches receptor specificity of G _q to that of G _a ," <i>Nature</i> 363:274-76 (1993).
DJ	C3	Dietzel, Christine et al. "Pheromonal regulation and sequence of the <i>Saccharomyces cerevisiae</i> SST2 gene: a model for desensitization to pheromone," <i>Mol Cell Biol</i> 7(12):4169-4177, Dec. 1987
DJ	C4	Dietzel, Christine and Kurjan, Janet "The Yeast SCG1 Gene. A G _q -like Protein Implicated in the a- and α-Factor Response Pathway," <i>Cell</i> 50:1001-10 (1987).
DJ	C5	Dmochowska, Aleksandra et al. "Yeast KEX1 Gene Encodes a Putative Protease with a Carboxypeptidase B-like Function Involved in Killer Toxin and α-Factor Precursor Processing," <i>Cell</i> 50:573-84 (1987).
DJ	C6	Dolan, J. W. et al. "Overproduction of the yeast STE12 protein leads to constitutive transcriptional induction," <i>Genes & Development</i> 4(4):492-502 (1990).
DJ	C7	Dubois, Patrice M. et al. "Role of the transmembrane and cytoplasmic domains of surface IgM in endocytosis and signal transduction," <i>Eur. J. Immunol.</i> 22:851-57 (1992).
DJ	C8	Enckson, Deborah "Intercepted Messages. New biotechnology drugs target intracellular communication," <i>Scientific American</i> 267(5) 122-23 (1992).
DJ	C9	Etienne, Gilles et al. "A Screening Method for Antifungal Substances Using <i>Saccharomyces cerevisiae</i> Strains Resistant to Polyene Macrolides," <i>J. of Antibiotics</i> 43(2):199-206 (1990).
DJ	C10	Fasullo, Michael T. and Davis, Ronald W. "Direction of Chromosome Rearrangements in <i>Saccharomyces cerevisiae</i> by Use of his3 Recombinational Substrates," <i>Molecular and Cellular Biol</i> 8(10):4370-80 (1988)
DJ	C11	Ferrell, James E. Jr. "Tripping the switch fantastic: how a protein kinase cascade can convert graded inputs into switch-like outputs," <i>Trends in Biochem. Sci.</i> 21(12):460-6 (1996)
DJ	C12	Ferrell, James E. Jr. et al. "The Biochemical Basis of an All-or-None Cell Fate Switch in <i>Xenopus</i> Oocytes," <i>Science</i> 280:895-898 (1998).
DJ	C13	Franke, Arthur E. et al. "Human C5a Anaphylatoxin: Gene Synthesis, Expression, and Recovery of Biologically Active Material from <i>Escherichia coli</i> ," <i>Methods in Enzymology</i> 162:653-68 (1988).
DJ	C14	Funaro, Ada et al. "Human CD38 is associated to distinct molecules which mediate transmembrane signaling in different lineages," <i>Eur. J. Immunol.</i> 23:2407-11 (1993).
DJ	C15	Gallego, Carme, et al. "Myristylation of the G _{αo2} polypeptide, a G protein α subunit, is required for its signaling and transformation functions," <i>Proc. Natl. Acad. Sci. USA</i> 89:9695-99 (1992).
DJ	C16	Garritsen, Anja et al. "The N-Terminal coiled-coil domain of β is essential for γ association: A Model for G-Protein βγ subunit interaction," <i>Proc. Natl. Acad. Sci. USA</i> 90:7706-10 (1993).
DJ	C17	Gerard, Norma P. and Gerard, Craig "Construction and Expression of a Novel Recombinant Anaphylatoxin, C5a-N19, a Probe for the Human C5a Receptor," <i>Biochemistry</i> 29(39):9274-81 (1990).
DJ	C18	Gordon, J. "B-cell signaling via the C-type lectins CD23 and CD72," <i>Immunology Today</i> 15(9):411-17 (1994).

Examiner <i>David Lamberton</i>	Date Considered 1/15/04
Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

APPLICANT FACSIMILE OF FORM PTO-148 REV 7-84		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO CPI-012CP4DV	Serial No 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	FILING DATE February 26, 1999	GROUP 1636

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

D1	Graf, Roif et al. "A Truncated Recombinant α Subunit of G ₃ with a Reduced Affinity for $\beta\gamma$ Dimers and Altered Guanosine 5'-3-O-(Thio)triphosphate Binding." <i>J. of Biol. Chem.</i> 267(34):24307-14 (1992).
D2	Gros, Philippe et al. "Mammalian Multidrug Resistance Gene: Complete cDNA Sequence Indicates Strong Homology to Bacterial Transport Proteins." <i>Cell</i> 47:371-80 (1986).
D3	Hagen, David C. et al. "Evidence the yeast STE3 gene encodes a receptor for the peptide pheromone a factor. Gene sequence and implications for the structure of the presumed receptor." <i>Proc. Natl. Acad. Sci. USA</i> 83:1418-22 (1986).
D4	Hall, Marcia et al. "Evidence for different modes of action of cyclin-dependent kinase inhibitors: p15 and p16 bind to kinases, p21 and p27 bind to cyclins." <i>Oncogene</i> 11 1581-88 (1995).
D5	Harpury, Peter B. et al. "A Switch Between Two-, Three- and Four-Stranded Coiled Coils in GCN4 Leucine Zipper Mutants." <i>Science</i> 262:1401-07 (1993).
D6	Hartwell, Leland H. "Mutants of <i>Saccharomyces cerevisiae</i> Unresponsive to Cell Division Control by Polypeptide Mating Hormone." <i>J. Cell Biol.</i> 85:811-22 (1980).
D7	Hasson, M.S. et al. "Mutational Activation of the STE5 Gene Product Bypasses the Requirement for G Protein β and γ Subunits in the Yeast Pheromone Response Pathway." <i>Molecular and Cellular Biology</i> 14(2):1054-1065 (1994).
D8	He, Bin et al. "RAM2, an essential gene of yeast, and RAM1 encode the two polypeptide components of the farnesytransferase that prenylates α -factor and Ras proteins." <i>Proc. Natl. Acad. Sci. USA</i> 88:11373-77 (1991).
D9	Hiltunen, J. Kalervo et al. "Peroxisomal Multifunctional β -Oxidation Protein of <i>Saccharomyces cerevisiae</i> ." <i>J. of Biol. Chem.</i> 267(10):6646-6653 (1992).
D10	Hrycyna, Christine A et al. "The <i>Saccharomyces cerevisiae</i> STE14 gene encodes a methyltransferase that mediates C-terminal methylation of α -factor and RAS Proteins." <i>The EMBO J.</i> 10(7) 1689-1709 (1991).
D11	Huang, Chi-Ying F. et al. "Ultrasensitivity in the mitogen-activated protein kinase cascade." <i>Proc. Natl. Acad. Sci. USA</i> 93:10078-10083 (1996).
D12	Imamoto, Akira et al. "Genetics of signal transduction: tales from the mouse." <i>Curr. Opin. Gen. & Dev.</i> 4:40-46 (1994).
D13	Inouye, Carla et al. "Ste5 RING-H2 Domain: Role in Ste4-Promoted Oligomerization for Yeast Pheromone Signaling." <i>Science</i> 278:103-106 (1997).
D14	Jabbar, M. Abqil et al. "Influenza Viral (A/WSN/33) hemagglutinin is expressed and glycosylated in the yeast <i>Saccharomyces cerevisiae</i> ." <i>Proc. Natl. Acad. Sci. USA</i> 82:2018-23 (1985).
D15	Jakobs, K. H. et al. "Dual regulation of adenylyl cyclase. A signal transduction mechanism of membrane receptors." <i>Basic Res. Cardiol.</i> 81:1-9 (1986).
D16	Journot, Laurent et al. "Amino Acids 367-376 of the G _q α subunit induce membrane association when fused to soluble amino-terminal deleted G ₁₁ α subunit." <i>Proc. Natl. Acad. Sci. USA</i> 88:10054-58 (1991).
D17	Julius, David et al. "Glycosylation and Processing of Prepro- α -Factor through the Yeast Secretory Pathway." <i>Cell</i> 36:309-18 (1984).
D18	Julius, David et al. "Isolation of the Putative Structural Gene for the Lysine-Arginine-Cleaving Endopeptidase Required for Processing of Yeast Prepro- α -factor." <i>Cell</i> 37:1075-89 (1984).
D19	Julius, David et al. "Yeast α Factor is Processed from a Larger Precursor Polypeptide: The Essential Role of a Membrane-Bound Dipeptidyl Aminopeptidase." <i>Cell</i> 32:839-52 (1983).

Examiner

David Fambro

Date Considered

1/15/04

EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

APPLICANT FACSIMILE OF FORM PTO-1448 REV 7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY/RCKET NO CPI-012CP4DV	SERIAL NO 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	FILED DATE February 28, 1999	CROUP 1636

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	E1	Kaiser, Chris A. et al. "Many Random Sequences Functionally Replace the Secretion Signal Sequence of Yeast Invertase," <i>Science</i> 235:312-17 (1987)
DJ	E2	Kingsman, S.M. et al. "The production of mammalian protein in <i>Saccharomyces cerevisiae</i> ," <i>Tibtech</i> 5:53-57 (1987).
DJ	E3	Kosugi, Shinji et al. "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," <i>Human Molecular Genetics</i> 4(2):183-88 (1995).
DJ	E4	Kramer, R. A. et al. "HTLV-III gag Protein Is Processed in Yeast Cells by the Virus pol-Protease," <i>Science</i> 231:1580-85 (1986).
DJ	E5	Kuchler, Karl and Thorner, Jeremy "Functional expression of human <i>mdr1</i> in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 89:2302-06 (1992).
DJ	E6	Kuchler, Karl et al. "Saccharomyces cerevisiae STE6 gene product: a novel pathway for protein export in eukaryotic cells," <i>The EMBO J.</i> 8(13):3973-84 (1989).
DJ	E7	Kurjan, Janet "α-Factor Structural Gene Mutations in <i>Saccharomyces cerevisiae</i> : Effects on α-Factor Production and Mating," <i>Molecular and Cellular Biol.</i> 5(4):787-96 (1985).
DJ	E8	Kurjan, Janet and Herskowitz, I. "Structure of a Yeast Pheromone Gene (<i>MFa</i>): A Putative α-Factor Precursor Contains Four Random Copies of Mature α-Factor," <i>Cell</i> 30:933-43 (1982).
DJ	E9	Lambright, David G. et al. "Structural determinants for activation of the α-subunit of a heterotrimeric G protein," <i>Nature</i> 369:621-28 (1994).
DJ	E10	Leberer, Ekkehard et al. "Dominant-negative mutants of a yeast G-protein β subunit identify two functional regions involved in pheromone signalling," <i>The EMBO J.</i> 11(13):4805-13 (1992).
DJ	E11	Lee, Ethan et al. "The G226A Mutant <i>Gαo</i> Highlights the Requirement for Dissociation of G Protein Subunits," <i>J. Biol. Chem.</i> 267(2):1212-18 (1992).
DJ	E12	Lemire, Bernard D. et al. "The Mitochondrial Targeting Function of Randomly Generated Peptide Sequences Correlates with Predicted Helical Amphiphilicity," <i>J. Biol. Chem.</i> 264(34):20206-15 (1989).
DJ	E13	Awramik, S.M. "New fossil finds in old rocks," <i>Nature</i> 319:446-47 (1986).
DJ	E14	Linder, Maureen E. and Gilman, Alfred G. "G Proteins," <i>Scientific American</i> 267(1):56-61,64-65 (1992).
DJ	E15	Linder, Maureen E. et al. "Lipid Modifications of G Protein Subunits: Myristylation of <i>Gαo</i> Increases its Affinity for <i>βγ</i> ," <i>J. Biol. Chem.</i> 266(7):4654-59 (1991).
DJ	E16	Lolait, S. et al., "Extrapituitary expression of the rat V1b vasopressin receptor gene," <i>PNAS USA</i> 92:6783-6787 (1995).
DJ	E17	Lupas, Andrei N. et al. "Do G protein subunits associate via a three-stranded coiled coil?" <i>FEBS</i> 314(2):105-08 (1992)
DJ	E18	Mackay, Vivian and Manney, Thomas R. "Mutations Affecting Sexual Conjugation and Related Processes in <i>Saccharomyces cerevisiae</i> . II. Genetic Analysis of Nonmating Mutants," <i>Genetics</i> 76:273-88 (1974).

Examiner

David Lamberton

Date Considered

1/15/04

EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

APPLICANT FACSIMILE OF FORM PTO-148 REV 7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO CPI-012CP4DV	SERIAL NO. 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	FILING DATE February 26, 1999	GROUP 1636

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	F1	Marengere, Luc E.M. and Pawson, Tony "Structure and function of SH2 domains." <i>J. Cell Science Suppl</i> 18:97-104 (1994).
DJ	F2	Markby, David W. et al. "Separate GTP Binding and GTPase Activating Domains of a Gα Subunit." <i>Science</i> 262:1895-1901 (1993).
DJ	F3	Mattera, R. et al. "Identification by molecular cloning of two forms of the α-subunit of the human liver stimulatory (G _s) regulatory component of adenylyl cyclase." <i>FEBS</i> 206(1):36-41 (1986).
DJ	F4	Michaelis, Susan and Herskowitz, Ira "The α-Factor Pheromone of <i>Saccharomyces cerevisiae</i> Is Essential for Mating." <i>Molecular and Cellular Biol.</i> 8(3):1309-18 (1988).
DJ	F5	Milano, C.A. et al. "Enhanced Myocardial Function in Transgenic Mice Overexpressing the β ₂ -Adrenergic Receptor." <i>Science</i> 264:582-85 (1994).
DJ	F6	Milburn, Michael V. et al. "Molecular Switch for Signal Transduction: Structural Differences Between Active and Inactive Forms of Protooncogenic ras Proteins." <i>Science</i> 247:939-45 (1990).
DJ	F7	Mumby, Susanne M. et al. "G-Protein α-subunit expression, myristylation, and membrane association in COS cells." <i>Proc. Natl. Acad. Sci. USA</i> 87:728-32 (1990).
DJ	F8	Nakafuku, Masato et al. "Occurrence in <i>Saccharomyces cerevisiae</i> of a gene homologous to the cDNA coding for the α-subunit of mammalian G proteins." <i>Proc. Natl. Acad. Sci. USA</i> 84:2140-44 (1987).
DJ	F9	Nakayama, N. et al. "Common signal transduction system shared by STE2 and STE3 in haploid cells of <i>Saccharomyces cerevisiae</i> . Autocrine cell-cycle arrest results from forced expression of STE2." <i>The EMBO J.</i> 6(1):249-54 (1987).
DJ	F10	Neer, Eva J. et al. "The Amino Terminus of a G Protein α Subunits Is Required for Interaction with βγ." <i>J. Biol. Chem</i> 263(18):8996-9000 (1988).
DJ	F11	Ngo, J.T. et al. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox" in <i>The Protein Folding Problem and Tertiary Structure Prediction</i> Merz K.M. et al., eds. Birkhauser, Boston, pp. 433-506 (1994).
DJ	F12	Noel, Joseph P. et al. "The 2.2 Å crystal structure of transducin-α complexed with GTP-γ-S." <i>Nature</i> 366:654-63 (1993).
DJ	F13	Noelle, Randolph J. et al. "CD40 and its ligand, an essential ligand-receptor pair for thymus-dependent B-cell activation." <i>Immunol. Today</i> 13(11):431-33 (1992).
DJ	F14	Nomoto, Satoshi et al. "Regulation of the yeast pheromone response pathway by G protein subunits." <i>The EMBO J.</i> 9(3):691-696 (1990).
DJ	F15	Nye, Jeffrey S. and Kopan, Raphael "Vertebrate ligands for Notch." <i>Current Biology</i> 5(9):966-69 (1995).
DJ	F16	Oeda, Kenji et al. "Expression of Rat Liver Cytochrome P-450MC cDNA in <i>Saccharomyces cerevisiae</i> ." <i>DNA</i> 4(3):203-10(1985).
DJ	F17	Ogden, Jill E. et al. "Efficient Expression of the <i>Saccharomyces cerevisiae</i> PGK Gene Depends on an Upstream Activation Sequence but Does Not Require TATA Sequences." <i>Molecular and Cellular Biol.</i> 6(12):4335-43 (1986).
DJ	F18	Pi, H. et al. (1997) "transcriptional activation upon pheromone stimulation mediated by a small domain of <i>Saccharomyces cerevisiae</i> Ste12p." <i>Mol. Cell. Biol.</i> 17(11):8410-8418 (1997).

Examiner <i>David Lambertson</i>	Date Considered <i>1/15/04</i>
EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant	

APPLICANT FACSIMILE OF FORM PTO-1499 REV 7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO CPI-012CP4DV	SERIAL NO 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	FILING DATE February 26, 1999	GROUP 1636

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	G1	Pronin, Alexey N. and Gautam, Narasimhan "Interaction between G-Protein β and γ subunit types is selective," <i>Proc. Natl. Acad. Sci. USA</i> 89:6220-24 (1992).
DJ	G2	Ramer, Sandra W. and Davis, Ronald W. "A dominant truncation allele identifies a gene, STE20, that encodes a putative protein kinase necessary for mating in <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:452-456 (1993).
DJ	G3	Ranade, Kouslubh et al. "Mutations associated with familial melanoma impair p16 ^{INK4} function," <i>Nature Genetics</i> 10:114-16 (1995).
DJ	G4	Ranck, Helen M. et al. "A Site on RqG Protein α Subunit That Mediates Effector Activation," <i>Science</i> 256:1031-33 (1992).
DJ	G5	Reed, Randall R. "G Protein Diversity and the Regulation of Signaling Pathways," <i>The New Biologist</i> 2(11):957-60 (1990).
DJ	G6	Reneke, Johanna E. et al. "The carboxy-terminal segment of the yeast alpha-factor receptor is a regulatory domain," <i>Cell</i> 55:221-34 (1988).
DJ	G7	Schafer, William R. et al. "Enzymatic Coupling of Cholesterol Intermediates to a Mating Pheromone Precursor and to the Ras Protein," <i>Science</i> 249:1133-39 (1990).
DJ	G8	Schafer, William R. et al. "Genetic and Pharmacological Suppression of Oncogenic Mutations in RAS Genes of Yeast and Humans," <i>Science</i> 245:379-85 (1989).
DJ	G9	Scharer, E. and Iggo, R. "Mammalian p53 can function as a transcription factor in yeast," <i>Nucleic Acids Research</i> 20(7):1539-45 (1992).
DJ	G10	Sikorski, Robert S. and Hieter, Philip "A System of Shuttle Vectors and Yeast Host Strains Designed for Efficient Manipulation of DNA in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 122:10-27 (1989).
DJ	G11	Singh, Arjun et al. "Saccharomyces cerevisiae contains two discrete genes coding for the α -factor pheromone," <i>Nucleic Acids Research</i> 11(12):4049-63 (1983).
DJ	G12	Slepak, Vlaqlen Z. et al. "Mutational Analysis of G Protein α Subunit Gα α Expressed in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268(2):1414-23 (1993).
DJ	G13	Spiegel, Allen M. et al. "The G Protein connection: molecular basis of membrane association," <i>TIBS</i> 16:338-41 (1991).
DJ	G14	Steupe, Klaus et al. " α -Factor-leader-directed secretion of recombinant human-insulin-like growth factor I from <i>Saccharomyces cerevisiae</i> ," <i>Eur. J. Biochem.</i> 198:651-57 (1991).
DJ	G15	Stevenson, Brian J. et al. "Constitutive mutants of the Protein Kinase STE11 Activate the Yeast Pheromone Response Pathway in the Absence of the G Protein," <i>Genes & Development</i> 6:1293-1304 (1992).
DJ	G16	Strubin, Michel and Struhl, Kevin "Yeast and Human TFIID with Altered DNA-Binding Specificity of TATA Elements," <i>Cell</i> 68:721-30 (1992).
DJ	G17	Struhl, Kevin "Constitutive and Inducible <i>Saccharomyces cerevisiae</i> Promoters: Evidence for Two Distinct Molecular Mechanisms," <i>Molecular and Cellular Biol.</i> 6(11):3847-53 (1986).
DJ	G18	Struhl, Kevin and Hill, David E. "Two Related Regulatory Sequences are Required for Maximal Induction of <i>Saccharomyces cerevisiae his3</i> Transcription," <i>Molecular and Cellular Biol.</i> 7(1):104-10 (1987).
DJ	G19	Struhl, Kevin et al. "High-frequency transformation of yeast: Autonomous replication of hybrid DNA molecules," <i>Proc. Natl. Acad. Sci. USA</i> 76(3):1035-39 (1979).

Examiner <i>David Lamberston</i>	Date Considered <i>1/15/04</i>
EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

APPLICANT FACSIMILE OF FORM PTO-1468 REV 7-90		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. CPI-012CP4DV	SERIAL NO 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	FILING DATE February 26, 1999	GROUP 1636

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	H1	Sullivan, Kathleen A. et al. "Identification of receptor contact site involved in receptor-G protein coupling." <i>Nature</i> 330:758-60 (1987).
DJ	H2	Suzuki, Takeshi et al. "HTLV-1 Tax protein interacts with cyclin-dependent kinase inhibitor p16 ^{INK4A} and counteracts its inhibitory activity towards CDK4," <i>The EMBO J.</i> 15(7):1807-14 (1996).
DJ	H3	Teem, John L. et al. "Identification of Revertants for the Cystic Fibrosis ΔF508 Mutation Using STE6-CFTR Chimeras in Yeast," <i>Cell</i> 73:335-346 (1993).
DJ	H4	Thomas, Thomas C. et al. "G-protein αq subunit: Mutation of conserved cysteines identifies a subunit contact surface and alters GDP affinity," <i>Proc. Natl. Acad. Sci. USA</i> 90:10285-99 (1993).
DJ	H5	Tyson, John J. et al. "Chemical kinetic theory: understanding cell-cycle regulation," <i>Trends In Biochem. Sci.</i> 21:89-96 (1996).
DJ	H6	Walker, John E. et al. "Distantly related sequences in the α -and β -subunits of ATP synthase, myosin, kinases and other ATP-requiring enzymes and a common nucleotide binding fold," <i>The EMBO J.</i> 1(8):945-51 (1982).
DJ	H7	Waters, M. Gerard et al. "Prepro- α -factor Has a Cleavable Signal Sequence," <i>J. Biol. Chem.</i> 263(13):6209-14 (1988).
DJ	H8	Whiteway, Malcolm et al. "Genetic Identification of Residues Involved in Association of α and β G-Protein Subunits," <i>Molecular and Cellular Biol.</i> 14(5):3223-3229 (1994).
DJ	H9	Whiteway, Malcolm et al. "The STE4 and STE18 Genes of Yeast Encode Potential β and γ Subunits of the Mating Factor Receptor-Coupled G Protein," <i>Cell</i> 56:467-477 (1989).
DJ	H10	Whiteway, Malcolm S. et al. "Association of the Yeast Pheromone Response G Protein $\beta\gamma$ Subunits with the MAP Kinase Scaffold Ste5p," <i>Science</i> 269:1572-1575 (1995).
DJ	H11	Wolowiec, D. et al. "Expression of cell cycle regulatory proteins in chronic lymphocytic leukemias Comparison with non-Hodgkin's lymphomas and non-neoplastic lymphoid tissue," <i>Leukemia</i> 9:1382-88 (1995).
DJ	H12	Xiong, Yue et al. "Alteration of Cell Cycle Kinase Complexes in Human Papillomavirus E6- and E7-Expressing Fibroblasts Precedes Neoplastic Transformation," <i>J. Virology</i> 70(2):999-1008 (1996).
DJ	H13	Zhan, Xiao-Li et al. "Differential regulation of FUS3 MAP kinase by tyrosine-specific phosphatases PTP2/PTP3 and dual-specificity phosphatase MSG5 in <i>Saccharomyces cerevisiae</i> ," <i>Genes & Development</i> 11:1690-1702 (1997).

Examiner	Date Considered
"EXAMINER	Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 9 of 9

APPLICANT FACSIMILE OF FORM PTO-1440 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO CPI-012CP4DV	SERIAL NO 09/258600
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Fowlkes, Dana M. et al.	GROUP 1636
		FILING DATE February 26, 1999	

U.S. PATENT DOCUMENTS

* application has been transferred to another firm and is no longer available

Examiner <i>David Lamberton</i>	Date Considered 11/15/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation If not in conformance and not considered. Include copy of this form with next communication to applicant.	